

*Receipt*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Bunn *et al.*

Appl. No. 09/973,875

Filed: October 11, 2001

For: **Cable Modem System and Method  
for Supporting Extended  
Protocols**

Confirmation No. 7066

Art Unit: 2631

Examiner: To Be Assigned

Atty. Docket: 1875.0650001

**RECEIVED**

JAN 24 2002

Technology Center 2600

**Request For Corrected Filing Receipt**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants hereby requests that a corrected Official Filing Receipt be issued and sent to the undersigned representative. Specifically, the following corrections to the Official Filing Receipt are requested:

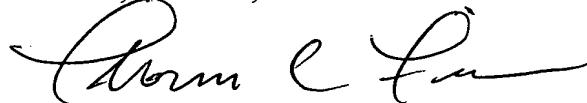
**Under "Title" please change to --Cable Modem System and Method for Supporting Extended Protocols--.**

In support of the above request, a photocopy of the instant Official Filing Receipt is enclosed with the corrections noted in red. It is requested that a corrected Official Filing Receipt be issued, and sent to the undersigned at the earliest possible time.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this pleading is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Thomas C. Fiala  
Attorney for Applicants  
Registration No. 43,610

Date: 1/7/02

1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934  
(202) 371-2600



**UNITED STATES PATENT AND TRADEMARK OFFICE**

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/973,875	10/11/2001	2631	950	1875.0650001	29	27	4

26111  
STERNE, KESSLER, GOLDSTEIN & FOX PLLC  
1100 NEW YORK AVENUE, N.W., SUITE 600  
WASHINGTON, DC 20005-3934

CONFIRMATION NO. 7066

**FILING RECEIPT**

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OC000000007051934\*

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Date Mailed: 11/09/2001

COPY SC11  
JAN 07 2002  
PATENT & TRADEMARK OFFICE  
Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be informed as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

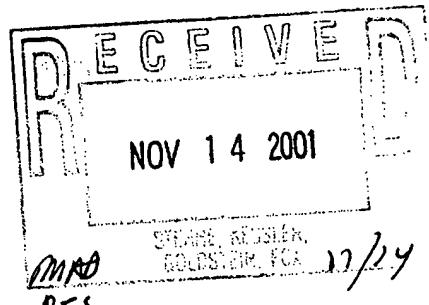
Fred A. Bunn, Roswell, GA;  
Thomas L. Johnson, Gainesville, GA;

**Assignment For Published Patent Application**

Broadcom Corporation;

**Domestic Priority data as claimed by applicant**

THIS APPLN CLAIMS BENEFIT OF 60/239,525 10/11/2000  
AND CLAIMS BENEFIT OF 60/239,526 10/11/2000  
AND CLAIMS BENEFIT OF 60/239,524 10/11/2000  
AND CLAIMS BENEFIT OF 60/239,530 10/11/2000  
AND CLAIMS BENEFIT OF 60/239,527 10/11/2000  
AND CLAIMS BENEFIT OF 60/240,550 10/13/2000



**Foreign Applications**

If Required, Foreign Filing License Granted 11/09/2001

**Projected Publication Date:** To Be Determined - pending completion of Corrected Papers

**Non-Publication Request:** No

**Early Publication Request:** No

**Title**

Cable modem system and method for supporting extended protocols

**Preliminary Class**

375

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



## STERNE, KESSLER, GOLDSTEIN &amp; FOX P.L.L.C.

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GABY L. LONGSWORTH\*\*  
DUSTIN T. JOHNSON\*\*  
MATTHEW J. DOWD\*\*  
AARON L. SCHWARTZ\*\*

\*LIMITED TO MATTERS  
AND PROCEEDINGS BEFORE  
FEDERAL COURTS & AGENCIES  
\*\*REGISTERED PATENT AGENT  
\*\*\*SENIOR COUNSEL

January 7, 2002

WRITER'S DIRECT NUMBER:  
(202) 218-7835

INTERNET ADDRESS:  
TFIALA@SKGF.COM

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JAN 24 2002

Commissioner for Patents  
Washington, D.C. 20231

Technology Center 2600

Art Unit 2631

Re: U.S. Utility Patent Application  
Appl. No. 09/973,875; Filed: October 11, 2001  
For: **Cable Modem System and Method for Supporting Extended Protocols**  
Inventors: Bunn *et al.*  
Our Ref: 1875.0650001

Sir:

Transmitted herewith for appropriate action are the following documents:

1. Power of Attorney from Assignee;
2. Certificate Under 37 C.F.R. §3.73(b);
3. Request for Corrected Filing Receipt (*in duplicate*); and
4. Copy of the Official Filing Receipt with corrections noted in red.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

**STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.**

Commissioner for Patents  
January 7, 2002  
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Thomas C. Fiala  
Attorney for Applicants  
Registration No. 43,610

TCF:ayh  
Enclosures

P:\USERS\TFIALA\Broadcom\1875.065000\065000\cofcovlitr  
SKGF Rev. 11/01/01 mac

## POWER OF ATTORNEY FROM ASSIGNEE

Broadcom Corporation, a corporation of California, having a principal place of business at 16215 Alton Parkway, Irvine, CA 92618-3616, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on (1) October 10, 2001 (2) October 10, 2001 of an invention known as Cable Modem System and Method for Supporting Extended Protocols (Attorney Docket No. 1875.0650001), which is disclosed and claimed in a patent application of the same title by the inventor(s) (1) Fred A. Bunn (2) Thomas L. Johnson (said application filed October 11, 2001 at the U.S. Patent and Trademark Office, having Application Number 09/973,875).

The Assignee hereby appoint the U.S. attorneys associated with CUSTOMER NUMBER 28393 to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: James D. Bennett, Reg. No. 37, 550, David J. Rosmann, Reg. No. 43,059, Robert Greene Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688; Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; and Linda E. Alcorn, Esq., Reg. No. 39,588. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934  
U.S.A.

Direct phone calls to 202-371-2600.

FOR: \_\_\_\_\_

SIGNATURE: William Ruenne

BY: \_\_\_\_\_

TITLE: Vice President + CFO

DATE: November 27, 2001

# Certificate Under 37 C.F.R. § 3.73(b)

Applicant/Patent Owner: Bunn et al.

Application No./Patent No.: 09/973,875

Filed/Issue Date: October 10, 2001

Submitted: Cable Modem System and Method for Supporting Extended Protocols

Broadcom Corporation

(Name of Assignee)

, a Corporation

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest, or
2.  an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A.  An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B.  A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: November 27, 2001

Name: William Ruehle

Title: Vice President & CFO

Signature: William Ruehle

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COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
[www.uspto.gov](http://www.uspto.gov)

**CONFIRMATION NO. 7066**

Bib Data Sheet

SERIAL NUMBER 09/973,875	FILING DATE 10/11/2001 RULE	CLASS 375	GROUP ART UNIT 2631	ATTORNEY DOCKET NO. 1875.0650001
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**APPLICANTS**

Fred A. Bunn, Roswell, GA;  
 Thomas L. Johnson, Gainesville, GA;

**\*\* CONTINUING DATA \*\*\*\*\***

THIS APPLN CLAIMS BENEFIT OF 60/239,525 10/11/2000  
 AND CLAIMS BENEFIT OF 60/239,526 10/11/2000  
 AND CLAIMS BENEFIT OF 60/239,524 10/11/2000  
 AND CLAIMS BENEFIT OF 60/239,530 10/11/2000  
 AND CLAIMS BENEFIT OF 60/239,527 10/11/2000  
 AND CLAIMS BENEFIT OF 60/240,550 10/13/2000

**\*\* FOREIGN APPLICATIONS \*\*\*\*\*****IF REQUIRED, FOREIGN FILING LICENSE GRANTED**

\*\* 11/09/2001

Foreign Priority claimed	<input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY GA	SHEETS DRAWING 30	TOTAL CLAIMS 27	INDEPENDENT CLAIMS 4
35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature _____ Initials _____				

**ADDRESS**

28393

**TITLE**

Cable modem system and method for supporting extended protocols

FILING FEE RECEIVED 950	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/973,875	10/11/2001	Fred A. Bunn	1875.0650001

**CONFIRMATION NO. 7066**

28393  
 STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
 1100 NEW YORK AVENUE, NW  
 SUITE 600  
 WASHINGTON, DC 20005-3934



\*OC00000007329757\*

Date Mailed: 01/18/2002

**NOTICE REGARDING POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 01/07/2002.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

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JAN 24 2002

Technology Center 2600

*Kathy L Nelson*  
 KATHY L NELSON  
 OIPE 7033055531

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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/973,875	10/11/2001	Fred A. Bunn	1875.0650001

**CONFIRMATION NO. 7066**

26111  
 STERNE, KESSLER, GOLDSTEIN & FOX PLLC  
 1100 NEW YORK AVENUE, N.W., SUITE 600  
 WASHINGTON, DC 20005-3934



\*OC00000007329734\*

Date Mailed: 01/18/2002

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JAN 24 2002

Technology Center 2600

**NOTICE REGARDING POWER OF ATTORNEY**

This is in response to the Power of Attorney filed 01/07/2002.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Kathy L Nelson  
 KATHY L NELSON  
 OIPE 7033055531

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